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**Adding and Subtracting Decimals and Fractions Tricky Guided Lesson Explanation**

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**Note:** For all of these problems we need to be reminded that the operations of addition and subtraction have the same priority level. This means that when we have the choice to add or subtract at the same time, we will process the operations left to right.

1) Paying attention to the note above, we will process the operations in this order:

$$68.91 - 17.854 + 64.20$$

(1<sup>st</sup>)          (2<sup>nd</sup>)

$$51.056 + 64.20 = 115.256$$

2) We have the same challenge here, but we need to start by finding a common denominator for all the fractions.

$$\frac{5}{8} - \frac{7}{12} + \frac{1}{4} \quad (24 \text{ is the least common denominator.})$$

$$\frac{5}{8} - \frac{7}{12} + \frac{1}{4} = \frac{15}{24} - \frac{14}{24} + \frac{6}{24}$$

$$\frac{15}{24} - \frac{14}{24} + \frac{6}{24} \quad (\text{Process the operations left to right.})$$

$$\frac{1}{24} + \frac{6}{24} = \frac{7}{24}$$

3) This problem is straight forward. We process the operations from left to right.

$$52.347 + 91.071 - 26.387$$

$$143.418 - 26.387 = 117.031$$

